

PENDING CLAIMS

This listing of the claims is presented without amendment for the convenience of the Examiner:

1. (Previously Presented) A high pressure radial piston pump for common rail injection systems comprising:

- a pump housing,
- a drive shaft,
- at least one pump piston, which can move in a radial direction in relation to the drive shaft and
- a high pressure accumulator integrated into the high pressure radial piston pump, wherein the high pressure accumulator is embodied in the form of a ring.

2. (Previously Presented) A high pressure radial piston pump according to claim 1, wherein the high pressure accumulator is arranged concentric in relation to the drive shaft.

3. (Previously Presented) A high pressure radial piston pump according to claim 1, wherein the high pressure accumulator is formed by a ring groove realized in the pump housing at the front side and sealed with a cover.

4. (Previously Presented) A high pressure radial piston pump according to claim 3, wherein at least one metallic sealing surface is formed on the pump housing and/or on the cover in order to seal the high pressure accumulator.

5. (Previously Presented) A high pressure radial piston pump according to claim 3, wherein

the cover is connected to the pump housing at least by means of one central screw arranged concentric in relation to the ring groove.

6. (Previously Presented) A high pressure radial piston pump according to claim 1, wherein

the high pressure accumulator is embodied as a ring groove which is realized in the outer circumference of a rotationally symmetrical pump insert.

7. (Previously Presented) A high pressure radial piston pump according to claim 6, wherein

the outer circumference of the pump insert operates together with a corresponding inner circumference surface of the pump housing.

8. (Previously Presented) A high pressure radial piston pump according to claim 6, wherein

the pump insert is embodied in cylindrical form.

9. (Previously Presented) A high pressure radial piston pump according to claim 1, comprising

at least one high pressure connection embodied on the high pressure accumulator in order to supply at least one injector of an internal combustion engine.

10. (Previously Presented) A high pressure radial piston pump according to claim 1, wherein

the high pressure accumulator is effectively connected with a pressure control valve integrated into the high pressure radial piston pump or arranged on the high pressure radial piston pump.

11. (Previously Presented) A high pressure radial piston pump for common rail injection systems comprising:

- a pump housing,
- a drive shaft,
- at least one pump piston, which can move in a radial direction in relation to the drive shaft and
- a ring shaped high pressure accumulator integrated into the high pressure radial piston pump.

12. (Previously Presented) A high pressure radial piston pump according to claim 11, wherein

the ring shaped high pressure accumulator is arranged concentric in relation to the drive shaft.

13. (Previously Presented) A high pressure radial piston pump according to claim 11, wherein

the ring shaped high pressure accumulator is formed by a ring groove realized in the pump housing at the front side and sealed with a cover.

14. (Previously Presented) A high pressure radial piston pump according to claim 13, wherein

at least one metallic sealing surface is formed on the pump housing and/or on the cover in order to seal the ring shaped high pressure accumulator.

15. (Previously Presented) A high pressure radial piston pump according to claim 13, wherein

the cover is connected to the pump housing at least by means of one central screw arranged concentric in relation to the ring groove.

16. (Previously Presented) A high pressure radial piston pump according to claim 11, wherein

the ring shaped high pressure accumulator is embodied as a ring groove which is realized in the outer circumference of a rotationally symmetrical pump insert.

17. (Previously Presented) A high pressure radial piston pump according to claim 16, wherein

the outer circumference of the pump insert operates together with a corresponding inner circumference surface of the pump housing.

18. (Previously Presented) A high pressure radial piston pump according to claim 16, wherein

the pump insert is embodied in cylindrical form.

19. (Previously Presented) A high pressure radial piston pump according to claim 11, comprising

at least one high pressure connection embodied on the ring shaped high pressure accumulator in order to supply at least one injector of an internal combustion engine.

20. (Previously Presented) A high pressure radial piston pump according to claim 11, wherein

the ring shaped high pressure accumulator is effectively connected with a pressure control valve integrated into the high pressure radial piston pump or arranged on the high pressure radial piston pump.